BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Modified Estimate for Improvements to Roads, drains and other works at Ganesh Layout area in Ward No. 11(Kuvempunagara).

							Est Cost Rs.	2799064.00	
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork **excavation by manual means in ordinary soil** involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 **Page No. 142 / Item No. 19.1, PWD SR 2016-17**	Cum							
	For Drain								
	Ganesha Layout 2nd Cross		2	61.00	0.45	0.35	19.22		
	Ganesha Layout 3rd Cross		2	53.00	0.45	0.40	19.08		
	Ganesha Layout 4th Cross		2	50.00	0.45	0.40	18.00		
	Ganesha Layout 5th Cross		2	57.00	0.45	0.40	20.52		
	Srinidhi layout		1	95.00	1.80	1.20	205.20		
							282.02	199.36	**56223.00**
2	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.12, Item No. 4.3 of PWD SR 2016-17**	Cum							
	Block Drain Bed Concrete								
	Ganesha Layout 2nd Cross		2x2	61.00	0.20	0.15	7.32		
	Ganesha Layout 3rd Cross		2x2	53.00	0.20	0.15	6.36		
	Ganesha Layout 4th Cross		2x2	50.00	0.20	0.15	6.00		
	Ganesha Layout 5th Cross		2x2	57.00	0.20	0.15	6.84		
	Srinidhi layout		1	95.00	1.80	0.15	25.65		
							52.17	5159.02	**269146.00**
3	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **Page No. 23 / Item No. 5.9, PWD SR 2016-17**	Cum							
			2	95.00	0.60	0.90	102.60		
							102.60	5305.30	**544324.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
4	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications **Page No. 113 / Item No. 15.1, PWD SR 2016-17**	Sqm							
			2	95.00		0.90	171.00		
							171.00	102.82	**17582.00**
5	KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of mix 1:2:4** with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation, plinth and cills**, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.12, Item No. 4.6 PWD SR 2016-17**	Cum							
	SSM Wall Coping		1	95.00	1.80	0.10	17.10		
	Solid Block Drain Vent Concrete		2	61.00	0.45	0.10	5.49		
			2	53.00	0.45	0.10	4.77		
			2	50.00	0.45	0.10	4.50		
			2	57.00	0.45	0.10	5.13		
	Bed Concrete		2x2	61.00	0.20	0.10	4.88		
			2x2	53.00	0.20	0.10	4.24		
			2x2	50.00	0.20	0.10	4.00		
			2x2	57.00	0.20	0.10	4.56		
	Total Qty						**54.67**		
	Qty upto 125%						**21.38**	5767.46	**123279.00**
	Qty above 125%						**33.30**	5767.46	**192028.00**
	Basic Rate	5441.00							
	Area Weightage @ 6%	326.46							
	Total	**5767.46**							
6	Providing and laying **cement concrete** using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete **(RMC) M 20** for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, **for raft foundation column footing , main and secondary beams** with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) **Page No. 18, Item No. 4.48, PWD SR 2016-17**	Cum							
			Not Executed						
7	KSRB 4-6.4 : Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for **vertical surface** such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No. 15 / It No. 4.31 PWD SR 2016-17**	Sqm							
			Not Executed						

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
8	KSRB 4.9.2 : Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **- TMT bars Fe 500 Page No. 17 / Item No. 4.46.2, PWD SR 2016-17**	Tonne							
			Not Executed						
9	Providing **precast slab of 100 mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge- Data rate	Sqm							
	RCC Drain covering slabs		203	0.60	0.90		109.80		
			177	0.60	0.90		95.40		
			167	0.60	0.90		90.00		
			190	0.60	0.90		102.60		
			158	0.60	1.50		142.50		
							540.30		
							425.03	1760.00	**748044.00**
							115.28	1760.00	**202884.00**
	EIRL								
E1	Removing and refixing stone slabs of drains and pointing in CM (1:3) **Page No. 25 / Item No. 5.33 PWD SR 2016-17**	Sqm							
	Raghuram Layout Main Road		2	15.00		1.35	40.50		
			2	18.00		1.35	48.60		
			2	20.00		1.35	54.00		
			2	25.00		1.35	67.50		
							210.60	80.56	**16966.00**
	Basic Rate	76.00							
	Area Weightage @ 6%	4.56							
	Total	**80.56**							
E2	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size **400x200x200 mm** having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 **Page No. 25 / Item No. 5.26.1, PWD SR 2016-17**	Sqm							
	Ganesha Layout 2nd Cross		2x2	61.00		0.40	97.60		
	Ganesha Layout 3rd Cross		2x2	53.00		0.40	84.80		
	Ganesha Layout 4th Cross		2x2	50.00		0.40	80.00		
	Ganesha Layout 5th Cross		2x2	57.00		0.40	91.20		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							353.60	993.22	351203.00
	Basic Rate	937.00							
	Area Weightage @ 6%	56.22							
	Total	**993.22**							
	Sub Total								2521679.00
	KRIDL Charges @ 10%								252168.00
	Labour Cess @ 1%								25217.00
								Total	2799064.00

Rupees Twenty Eight lakhs only

Certificate:

1. The work spot has been inspected and the work is found necessary.
2. This estimate is prepared as per P.W.D S.R of 2016-17.
3. This work included under 2017-18 24.10 % Grant.
4. The provisions were made in this estimate are necessary and adequate.
5. This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

26/09

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

26/09

Modified Technical Sanction
Accorded For Rs 2799064.00
Head of A/C P-1878
CER NO TS/21/1878 Dt: 26.09.18

TA CE (YNK)